

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 08137910 A

(43) Date of publication of application: 31.05.1996

(51) Int. Cl G06F 17/30
G06F 15/16

(21) Application number: 06280709
(22) Date of filing: 15.11.1994

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(54) PARALLEL DATA BASE PROCESSING
METHOD AND ITS EXECUTING DEVICE

(57) Abstract:

PURPOSE: To improve the through-put of the whole system by predicting the load of requested processing in parallel DB processing so that the load of respective processors can be equalized.

CONSTITUTION: Predicted execution time in each DB engine processor to be executed is found out based upon a load calculation expression corresponding to structured query language(SQL) estimating information 133 in processing obtained by optimization and allowed to be executed as predicted execution time to be written in a DB engine load table 132. The sum of the load of all DB engine processors, is added to a load estimation value recorded in an SQL load table 131 as the load of a corresponding request analyzing schedule processor. When the value is referred to by another processor, request analyzing schedule processing considering also request analyzing processing which is not executed yet as a load can be executed. Then an access request is outputted to the DB engine to operate data. After completing request analysis, a DB engine scheduler 124 adjusts a schedule and de-

termines efficient processing order based upon the table 132.

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